



Exemption §106.224 Checklist (Previously Standard Exemption 123)

Aerospace Equipment and Parts Manufacturing

The following checklist has been developed by the Texas Commission on Environmental Quality (TCEQ) to provide verification that the basic requirements of Exemption §106.224, previously Standard Exemption 123, are met. The questions below are derived from §106.4 and the TCEQ exemption list. Please read all of the questions and check each answer YES or NO, or provide specific information as applicable to the facility. Total plant site emissions cannot exceed 25 tons per year. If all conditions of a specific exemption are not met, the facility will not be allowed to operate under exemption and an application for a construction permit will be required pursuant to §116.110 prior to construction.

Please provide the information requested below and complete the applicable parts of the checklist that apply to the proposed operation.

Facility Type: _____

Operating Schedule: hours/day _____, days/week _____, weeks/year _____

Production Rate (# units/time): _____

	<u>YES</u>	<u>NO</u>	<u>Description</u>
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a)	___	___	Emission points are located at least 100 feet from any off-plant receptor*.
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* Off-plant receptor means any recreational area or residence or other structure not occupied or used solely by the owner or operator of the aerospace equipment and parts manufacturing plant or the owner of the property upon which the aerospace plant is located. Controlled access recreational areas owned by the property owner or the owner or operator of the aerospace plant are not off-plant receptors.

b) List the increase in the emissions of the following air contaminants authorized under this exemption, on a cumulative basis, from the entire aerospace manufacturing plant:

- | | | |
|----|--------------------------------------|---------------------|
| 1) | Particulate matter | _____ tpy (< 5 tpy) |
| 2) | VOC | _____ tpy (<15 tpy) |
| 3) | Acid gases or vapors | _____ tpy (< 5 tpy) |
| 4) | Nonvolatile hydrocarbons | _____ tpy (<10 tpy) |
| 5) | Total of <u>all</u> air contaminants | _____ tpy (<25 tpy) |

___ ___ The increases are less than the limits shown in parenthesis.

- c) ___ ___ Hourly emissions of total new or increased emissions will not exceed the hourly emission rate defined by the equation $E=L/K$. The compound specific values of L (mg/m³) are listed in Table 118(A) of TCEQ Standard Exemption 118. Values of K are listed in Table 123A of this exemption. You may calculate the value(s) of E or complete the following section.
- d) ___ ___ The facility will be registered with the TCEQ central office using an exemption application, Form PI-7, before construction of the facility is begun. This registration will include a project description, emissions calculations, and a description of pollution control equipment to be used.
- e) ___ ___ Emissions data will include all process emission sources at the plant, both existing and proposed, and shall be the maximum allowed emissions for permitted units, the actual emissions for existing grandfathered or exempted units, and the projected maximum allowable emissions for proposed units.
- f) ___ ___ Emissions will be speciated by chemical compound and the stack parameters, as appropriate, for each emission source shall be provided.

Compound	Distance (ft) **	Proposed Emission Rate (lb/hr)

(REPEAT FOR ALL CHEMICALS AND ALL EMISSION POINTS)

** Distance from emission point to nearest off-plant receptor.

- g) ___ ___ An emissions inventory will be compiled and/or updated on an annual basis for all process emission sources on the property, and be maintained on a two-year rolling retention cycle.

Note: Inventory records should include the basis for all emissions estimates, sample calculations, and material usage records. Material and solvent usage records should be maintained in sufficient detail to document compliance.

- h) ___ ___ There are/will be no visible emissions from this facility.
- i) ___ ___ The facility will handle or store any of the chemicals listed below as a liquid or a compressed gas in a compound mixture of a concentration greater than 10% by weight or an aqueous solution of any of these same chemicals greater than 50% by weight.

Chemical List: Acrolein, Ammonia, Bromine, Carbon Disulfide, Chlorine, Ethyl Mercaptan, Hydrogen Chloride, Hydrogen Bromide, Hydrogen Cyanide, Hydrogen

Fluoride, Hydrogen Sulfide, Phosphine, SO₂, Methyl Bromide, Methyl Isocyanate, Methyl Mercaptan, Nickel Carbonyl, and Phosgene.

If YES, answer the following:

- (1) ___ ___ The facility shall be located at least 300 feet from the nearest property line and 600 feet from any off-plant receptor.
- (2) ___ ___ The cumulative amount of any one of the above listed chemicals resulting from one or more authorizations under this exemption, shall not exceed 500 pounds on the plant property.
- (3) ___ ___ Any chemical in the list above shall be handled, contained and transported, in compliance with U.S. Department of Transportation regulations (49 CFR Parts 171 through 178).

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Please complete the following section:

Name: _____ Company: _____

Title: _____ Facility Name: _____

Phone#: (_____) _____ Account ID#: _____

FAX#: (_____) _____ Location: _____

Signature of Company Officer

Date